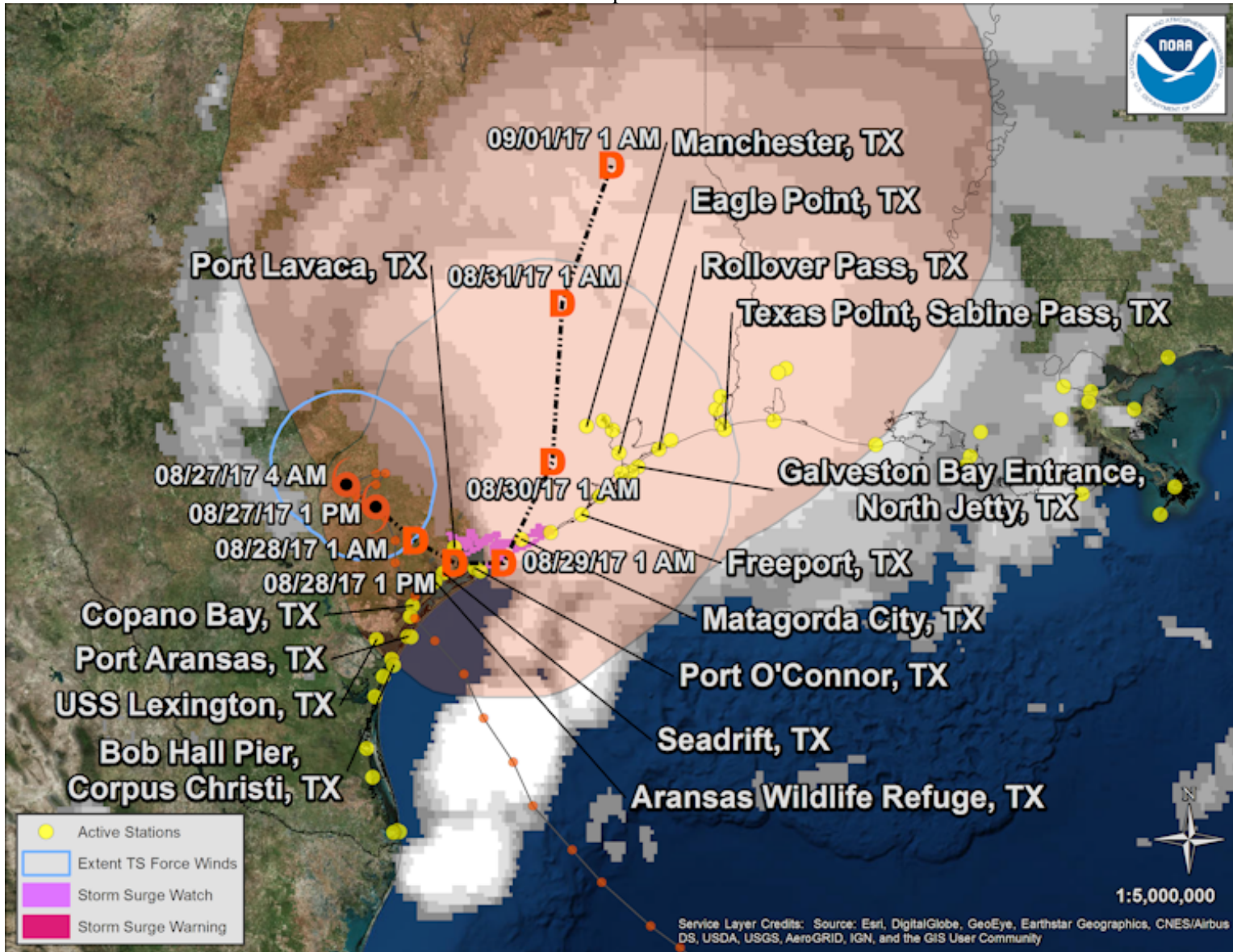




# Tropical Storm HARVEY QuickLook Posted: 05:00 CDT 08/27/2017

## NOAA and NOAA Partnership Stations Relative to the Storm



## Storm Analysis

As of 8/27/2017 0500 CDT, water levels from Texas to western Louisiana remain elevated by 1 to 4 feet at many locations. The highest water level anomalies remain in upper parts of Lavaca Bay, Matagorda Bay and upper Galveston Bay. From Aransas Pass south, water levels are within 1 feet of tidal predictions.

Winds continue to weaken as Harvey is situated further inland at this time. Wind speeds at most stations remain 10 to 25 knots with gusts between 15 and 40 kts. Barometric pressure has risen along the coast as Harvey weakens and remains inland.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: RCL

-----  
SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:TROPICAL STORM HARVEY  
ADVISORY NUMBER 28  
NWS NATIONAL HURRICANE CENTER MIAMI FL 400 AM CDT SUN AUG 27 2017

...HARVEY CAUSING CATASTROPHIC FLOODING IN SOUTHEASTERN TEXAS...

SUMMARY OF 400 AM CDT...0900 UTC...INFORMATION

-----  
LOCATION...29.2N 97.7W  
ABOUT 50 MI...80 KM ESE OF SAN ANTONIO TEXAS  
ABOUT 95 MI...155 KM NW OF PORT OCONNOR TEXAS  
MAXIMUM SUSTAINED WINDS...45 MPH...75 KM/H  
PRESENT MOVEMENT...SSW OR 200 DEGREES AT 1 MPH...2 KM/H  
MINIMUM CENTRAL PRESSURE...998 MB...29.47 INCHES

WATCHES AND WARNINGS

-----  
CHANGES WITH THIS ADVISORY:

THE TROPICAL STORM WARNING SOUTH OF PORT O'CONNOR HAS BEEN  
DISCONTINUED.

THE STORM SURGE WARNING SOUTH OF PORT O'CONNOR HAS ALSO BEEN  
DISCONTINUED.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A STORM SURGE WARNING IS IN EFFECT FOR...

\* PORT O'CONNOR TO SARGENT TEXAS

A TROPICAL STORM WARNING IS IN EFFECT FOR...

\* PORT O'CONNOR TO SARGENT TEXAS

A STORM SURGE WARNING MEANS THERE IS A DANGER OF LIFE-THREATENING  
INUNDATION FROM RISING WATER MOVING INLAND FROM THE COASTLINE IN THE

INDICATED LOCATIONS. FOR A DEPICTION OF AREAS AT RISK, PLEASE SEE THE NATIONAL WEATHER SERVICE STORM SURGE WATCH/WARNING GRAPHIC, AVAILABLE AT [HURRICANES.GOV](http://HURRICANES.GOV). THIS IS A LIFE-THREATENING SITUATION.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA, INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS, PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

#### DISCUSSION AND 48-HOUR OUTLOOK

-----

AT 400 AM CDT (0900 UTC), THE CENTER OF TROPICAL STORM HARVEY WAS LOCATED NEAR LATITUDE 29.2 NORTH, LONGITUDE 97.7 WEST. HARVEY IS MOVING TOWARD THE SOUTH-SOUTHWEST NEAR 1 MPH (2 KM/H), AND A SLOW SOUTHEASTWARD TO EAST-SOUTHEASTWARD MOTION IS EXPECTED OVER THE NEXT COUPLE OF DAYS. ON THE FORECAST TRACK, THE CENTER WILL REMAIN INLAND OR MOVE VERY NEAR THE COAST OF SOUTHEASTERN TEXAS THROUGH MONDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 45 MPH (75 KM/H) WITH HIGHER GUSTS. SOME WEAKENING IS FORECAST DURING THE NEXT 48 HOURS, AND HARVEY IS LIKELY TO BECOME A TROPICAL DEPRESSION BY TONIGHT.

TROPICAL-STORM-FORCE WINDS EXTEND OUTWARD UP TO 60 MILES (95 KM) FROM THE CENTER. AN NOS SITE NEAR THE ENTRANCE TO MATAGORDA BAY RECENTLY REPORTED SUSTAINED WINDS OF 40 MPH (65 KM/H) WITH A GUST TO 53 MPH (85 KM/H).

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 998 MB (29.47 INCHES).

#### HAZARDS AFFECTING LAND

-----

RAINFALL: HARVEY IS EXPECTED TO PRODUCE ADDITIONAL RAIN ACCUMULATIONS OF 15 TO 25 INCHES OVER THE MIDDLE AND UPPER TEXAS COAST THROUGH THURSDAY. ISOLATED STORM TOTALS MAY REACH AROUND 40 INCHES IN THIS AREA. RAINFALL OF THIS MAGNITUDE WILL CAUSE CATASTROPHIC AND LIFE-THREATENING FLOODING. ELSEWHERE DURING THE SAME TIME PERIOD, HARVEY IS EXPECTED TO PRODUCE TOTAL RAIN ACCUMULATIONS OF 5 TO 15 INCHES FARTHER SOUTH TOWARD THE LOWER TEXAS COAST, FARTHER WEST TOWARD THE THE TEXAS HILL COUNTRY, AND FARTHER EAST THROUGH SOUTHWEST AND CENTRAL LOUISIANA. A LIST OF RAINFALL OBSERVATIONS COMPILED BY THE NOAA WEATHER PREDICTION CENTER CAN BE FOUND AT: [WWW.WPC.NCEP.NOAA.GOV/DISCUSSIONS/NFDSCC1.HTML](http://WWW.WPC.NCEP.NOAA.GOV/DISCUSSIONS/NFDSCC1.HTML)

STORM SURGE: THE COMBINATION OF A DANGEROUS STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS MOVING INLAND FROM THE SHORELINE. THE WATER IS EXPECTED TO REACH THE FOLLOWING HEIGHTS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

PORT ARANSAS TO PORT O'CONNOR...1 TO 3 FT  
PORT O'CONNOR TO SARGENT...2 TO 4 FT  
SARGENT TO HIGH ISLAND INCLUDING GALVESTON BAY...1 TO 3 FT  
HIGH ISLAND TO MORGAN CITY...1 TO 2 FT

THE DEEPEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST NEAR THE AREA OF ONSHORE WINDS, WHERE THE SURGE WILL BE ACCOMPANIED BY LARGE AND DESTRUCTIVE WAVES. SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE, AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR INFORMATION SPECIFIC TO YOUR AREA, PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

WIND: TROPICAL STORM CONDITIONS ARE OCCURRING IN AN AREA NEAR THE CENTER AND OVER PORTIONS OF THE TROPICAL STORM WARNING AREA ALONG THE COAST. THESE CONDITIONS ARE LIKELY TO PERSIST THROUGH THIS MORNING.

SURF: SWELLS GENERATED BY HARVEY AFFECTING THE COASTS OF TEXAS AND LOUISIANA SHOULD SUBSIDE THROUGH THIS MORNING. THESE SWELLS ARE LIKELY TO CAUSE LIFE-THREATENING SURF AND RIP CURRENT CONDITIONS. PLEASE CONSULT PRODUCTS FROM YOUR LOCAL WEATHER OFFICE.

TORNADOES: A FEW TORNADOES ARE POSSIBLE TODAY AND TONIGHT NEAR THE MIDDLE AND UPPER TEXAS COAST INTO FAR SOUTHWEST LOUISIANA.

NEXT ADVISORY

-----

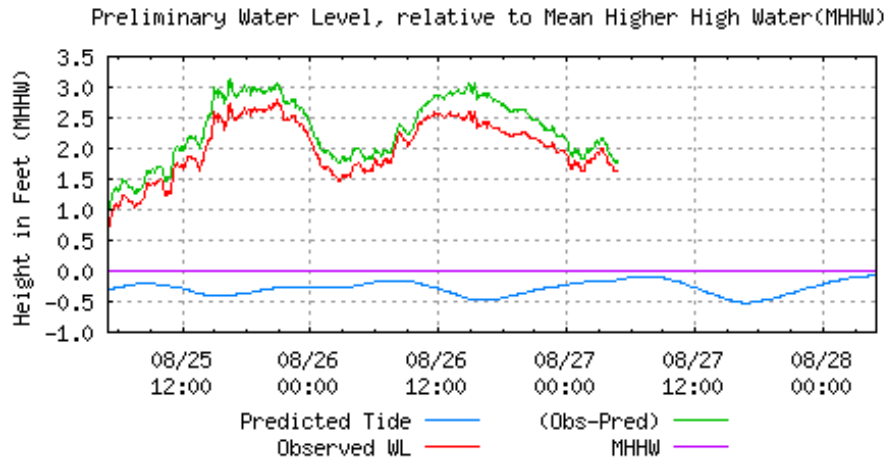
NEXT INTERMEDIATE ADVISORY AT 700 AM CDT.  
NEXT COMPLETE ADVISORY AT 1000 AM CDT.

FORECASTER PASCH

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Port O'Connor - Water Level](#), [Port O'Connor - Winds](#), [Port Lavaca - Water Level](#), [Port Lavaca - Winds](#), [Port Lavaca - Barometric](#), [Seadrift - Water Level](#), [Seadrift - Winds](#), [Seadrift - Barometric](#), [Matagorda City - Water Level](#), [Matagorda City - Winds](#), [Matagorda City - Barometric](#), [Freeport - Water Level](#), [Freeport - Winds](#), [Galveston Bay Entrance - Water Level](#), [Galveston Bay Entrance - Winds](#), [Eagle Point - Water Level](#), [Eagle Point - Winds](#), [Manchester - Water Level](#), [Manchester - Winds](#), [Rollover Pass - Water Level](#), [Rollover Pass - Winds](#), [Texas Point - Water Level](#), [Texas Point - Winds](#), [Copano Bay - Water Level](#), [Copano Bay - Winds](#), [Aransas Wildlife Refuge - Water Level](#), [Aransas Wildlife Refuge - Winds](#), [Port Aransas - Water Level](#), [Port Aransas - Barometric](#), [USS Lexington - Water Level](#), [Bob Hall Pier - Water Level](#), [Corpus Christi - Water Level](#)

NOAA/NOS/CO-OPS 8773701 Port O'Connor, TX



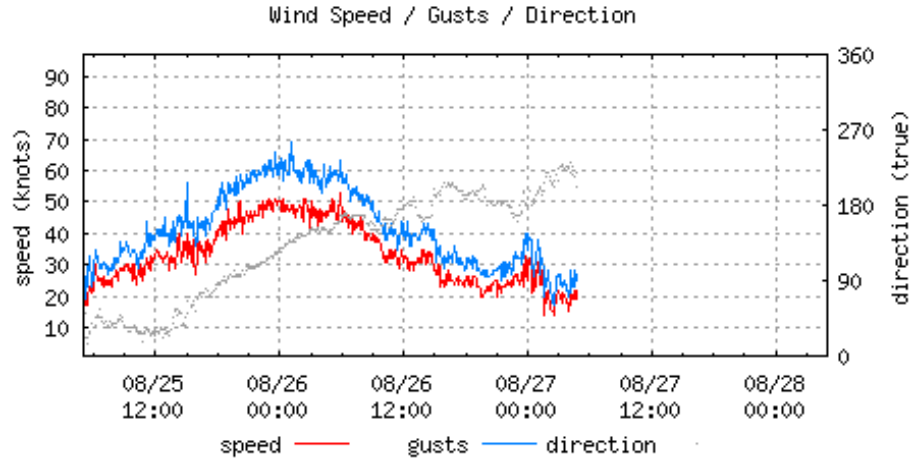
Last Observed Sample: 08/27/2017 04:54 (CDT). Data relative to MHHW

Observed: 1.63 ft. Predicted: -0.14 ft. Residual: 1.77 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/27/2017 07:26 (CDT), -0.09 ft.

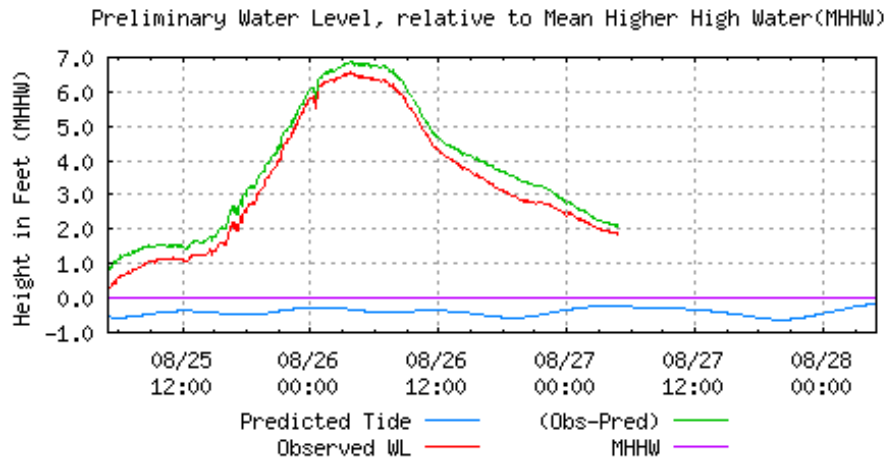
NOAA/NOS/CO-OPS 8773701 Port O'Connor, TX



Last Observed Sample: 08/27/2017 04:54 (CDT)

Wind Speed: 21 knots Gusts: 26 knots Direction: 206° T

NOAA/NOS/CO-OPS 8773259 Port Lavaca, TX



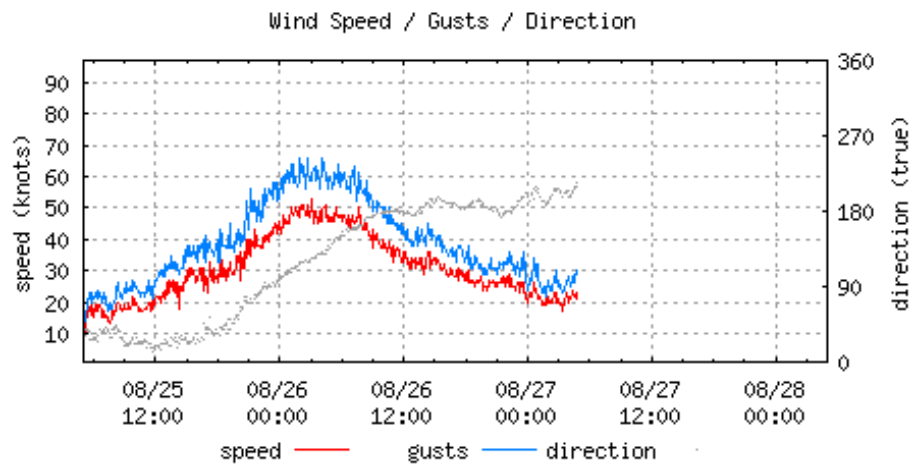
Last Observed Sample: 08/27/2017 04:54 (CDT). Data relative to MHHW

Observed: 1.85 ft. Predicted: -0.24 ft. Residual: 2.09 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/28/2017 05:54 (CDT), -0.16 ft.

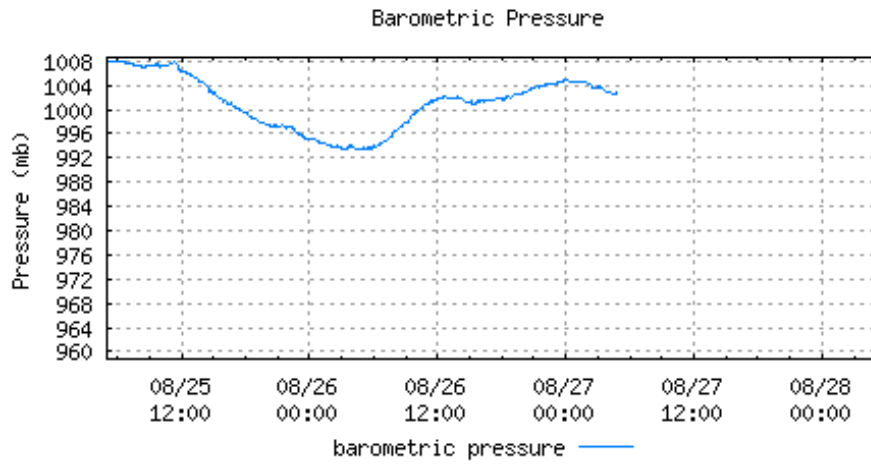
NOAA/NOS/CO-OPS 8773259 Port Lavaca, TX



Last Observed Sample: 08/27/2017 04:54 (CDT)

Wind Speed: 23 knots Gusts: 30 knots Direction: 215° T

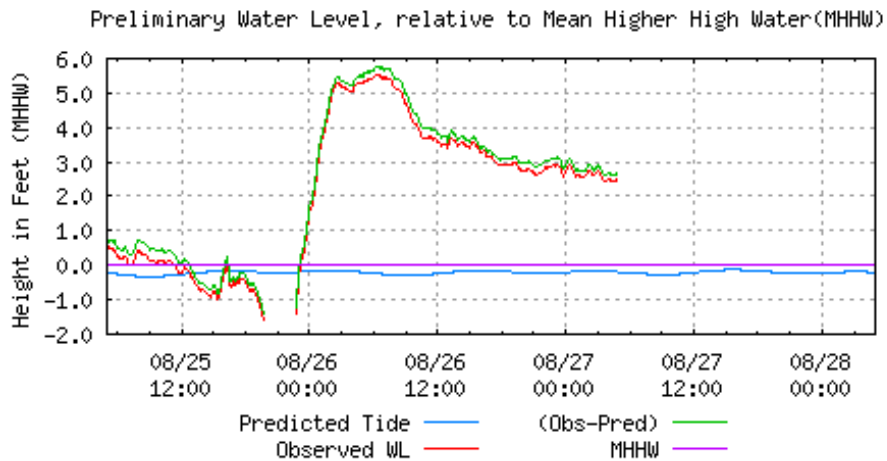
NOAA/NOS/CO-OPS 8773259 Port Lavaca, TX



Last Observed Sample: 08/27/2017 04:54 (CDT)

Barometric Pressure: 1002.7 mb

NOAA/NOS/CO-OPS 8773037 Seadrift, TX



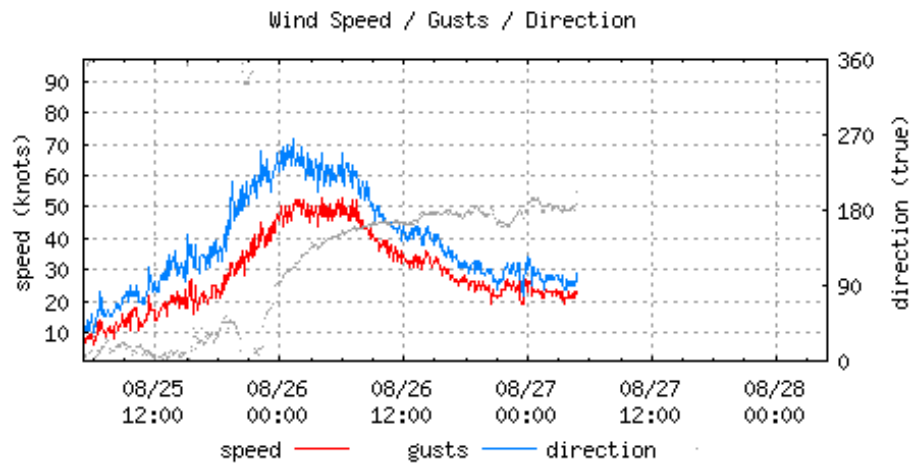
Last Observed Sample: 08/27/2017 04:54 (CDT). Data relative to MHHW

Observed: 2.55 ft. Predicted: -0.19 ft. Residual: 2.74 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/27/2017 15:36 (CDT), -0.13 ft.

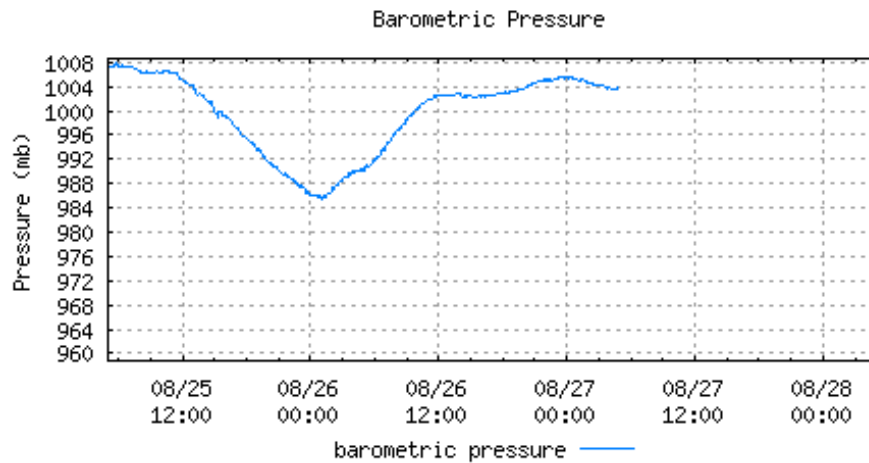
NOAA/NOS/CO-OPS 8773037 Seadrift, TX



Last Observed Sample: 08/27/2017 04:54 (CDT)

Wind Speed: 24 knots Gusts: 28 knots Direction: 205° T

NOAA/NOS/CO-OPS 8773037 Seadrift, TX



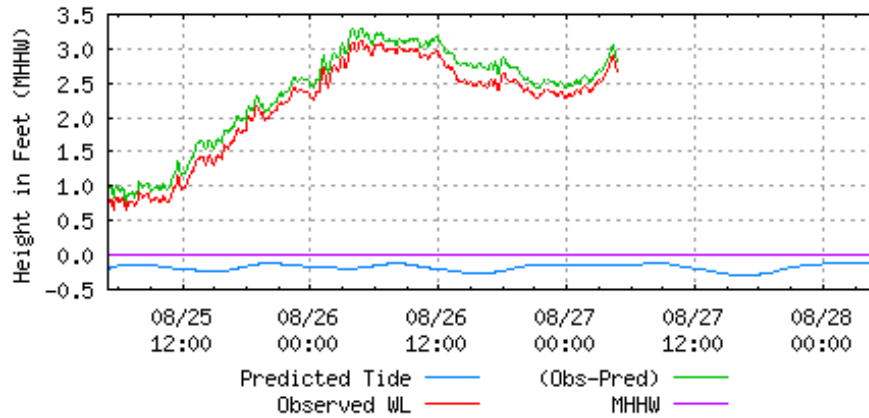
Last Observed Sample: 08/27/2017 04:54 (CDT)

Barometric Pressure: 1003.8 mb



NOAA/NOS/CO-OPS 8773146 Matagorda City, TX

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 08/27/2017 04:54 (CDT). Data relative to MHHW

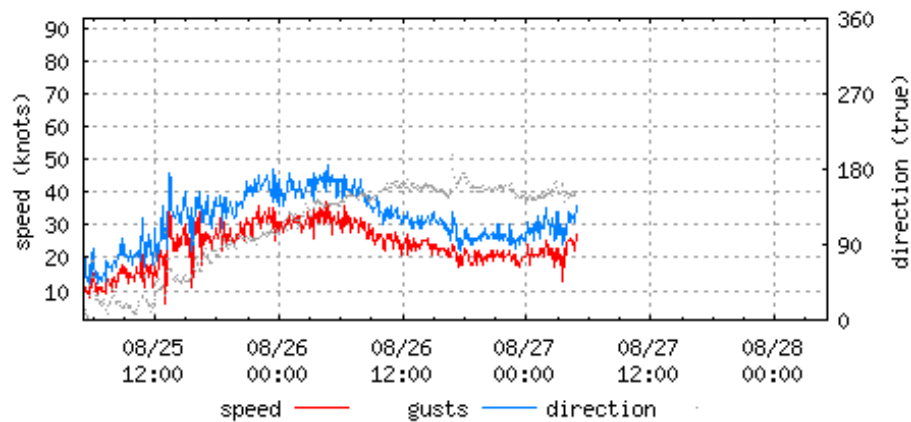
Observed: 2.61 ft. Predicted: -0.14 ft. Residual: 2.75 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/27/2017 08:32 (CDT), -0.11 ft.

NOAA/NOS/CO-OPS 8773146 Matagorda City, TX

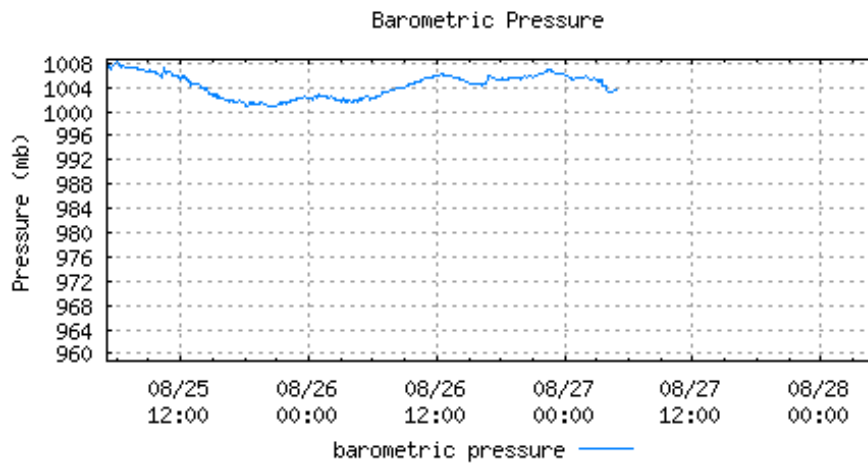
Wind Speed / Gusts / Direction



Last Observed Sample: 08/27/2017 04:54 (CDT)

Wind Speed: 28 knots Gusts: 37 knots Direction: 152° T

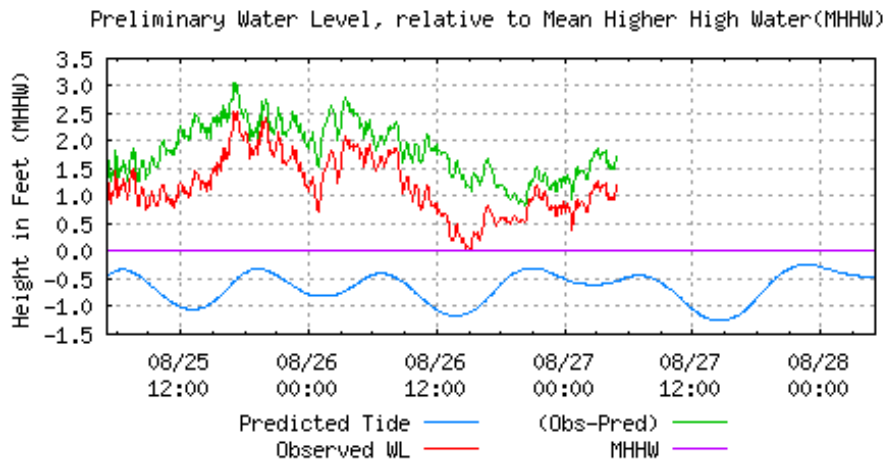
NOAA/NOS/CO-OPS 8773146 Matagorda City, TX



Last Observed Sample: 08/27/2017 04:54 (CDT)

Barometric Pressure: 1003.6 mb

NOAA/NOS/CO-OPS 8772447 Freeport, TX



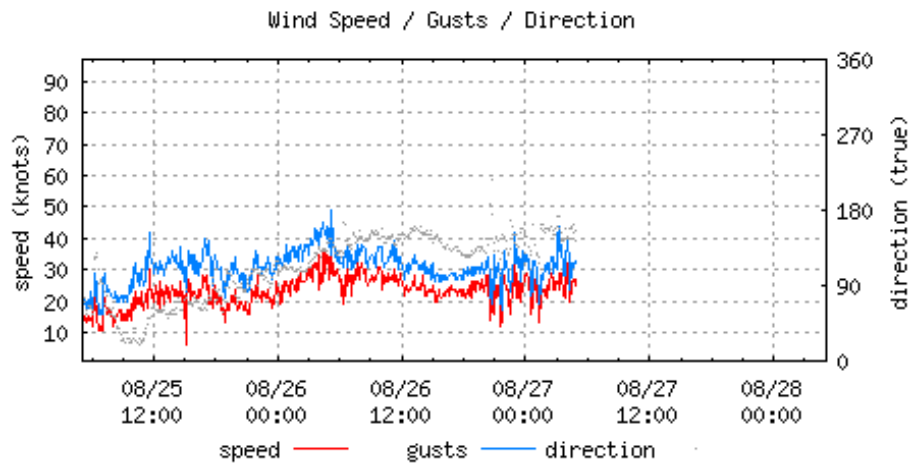
Last Observed Sample: 08/27/2017 04:54 (CDT). Data relative to MHHW

Observed: 1.19 ft. Predicted: -0.54 ft. Residual: 1.73 ft.

Historical Maximum Water Level: Sep 12 2008, 5.58 ft.

Next High Tide: 08/27/2017 06:58 (CDT), -0.44 ft.

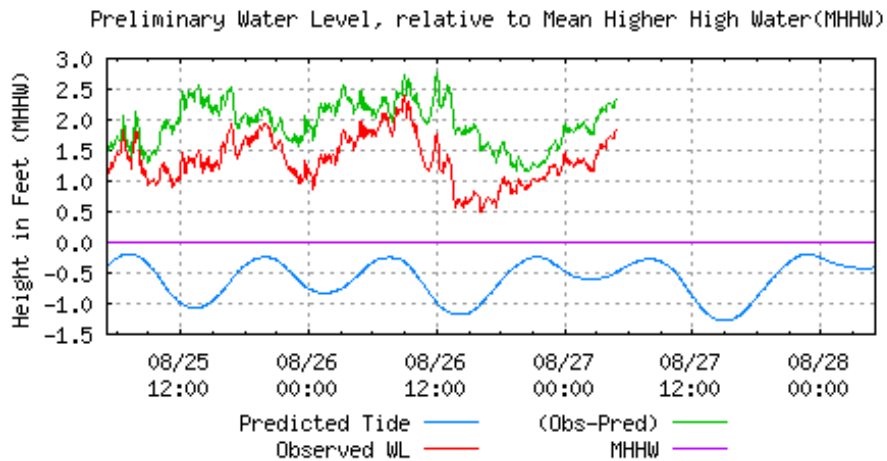
NOAA/NOS/CO-OPS 8772447 Freeport, TX



Last Observed Sample: 08/27/2017 04:54 (CDT)

Wind Speed: 25 knots Gusts: 33 knots Direction: 144° T

NOAA/NOS/CO-OPS 8771341 Galveston Bay Entrance, North Jetty, TX



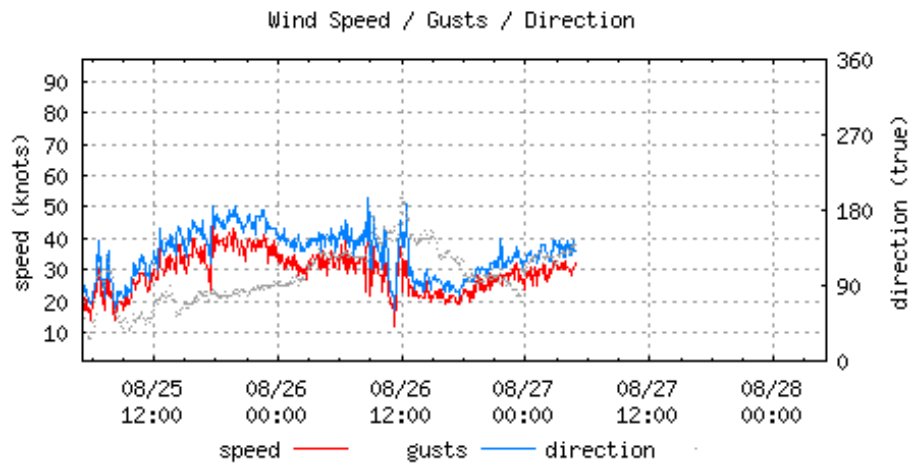
Last Observed Sample: 08/27/2017 04:54 (CDT). Data relative to MHHW

Observed: 1.84 ft. Predicted: -0.48 ft. Residual: 2.32 ft.

Historical Maximum Water Level: Jul 15 2003, 4.08 ft.

Next High Tide: 08/27/2017 07:56 (CDT), -0.28 ft.

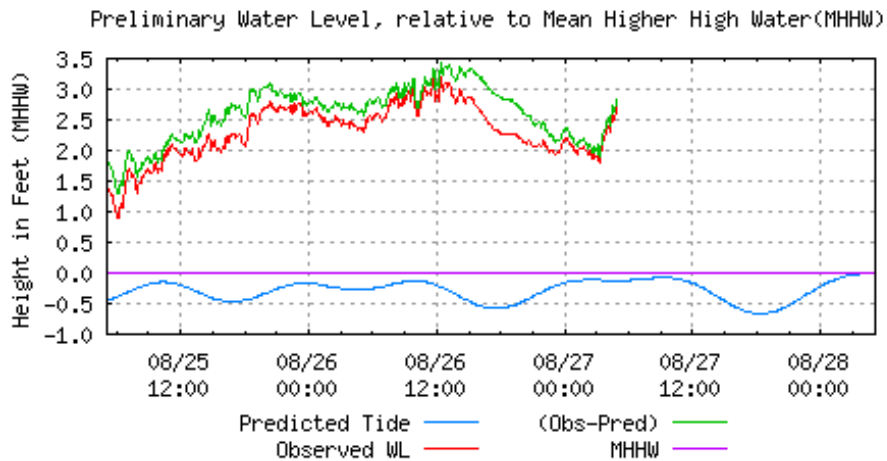
NOAA/NOS/CO-OPS 8771341 Galveston Bay Entrance, North Jetty, TX



Last Observed Sample: 08/27/2017 04:54 (CDT)

Wind Speed: 31 knots Gusts: 38 knots Direction: 142° T

NOAA/NOS/CO-OPS 8771013 Eagle Point, TX



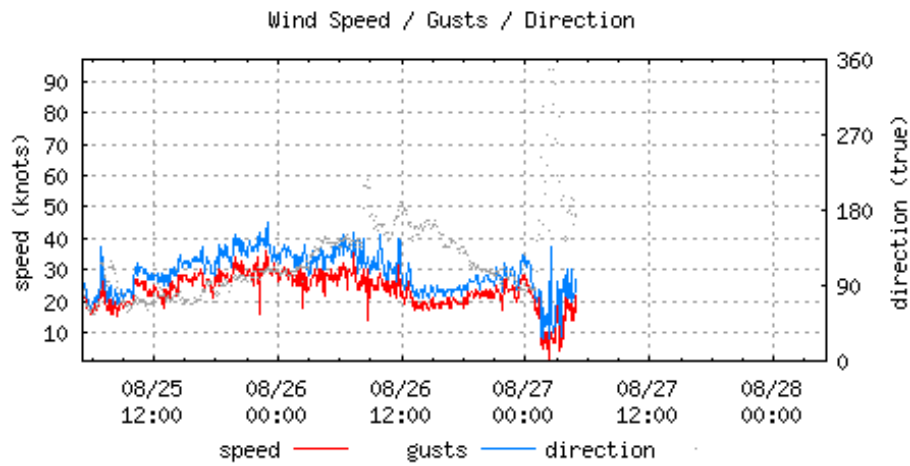
Last Observed Sample: 08/27/2017 04:54 (CDT). Data relative to MHHW

Observed: 2.72 ft. Predicted: -0.12 ft. Residual: 2.84 ft.

Historical Maximum Water Level: Sep 13 2008, 10.76 ft.

Next High Tide: 08/27/2017 09:14 (CDT), -0.08 ft.

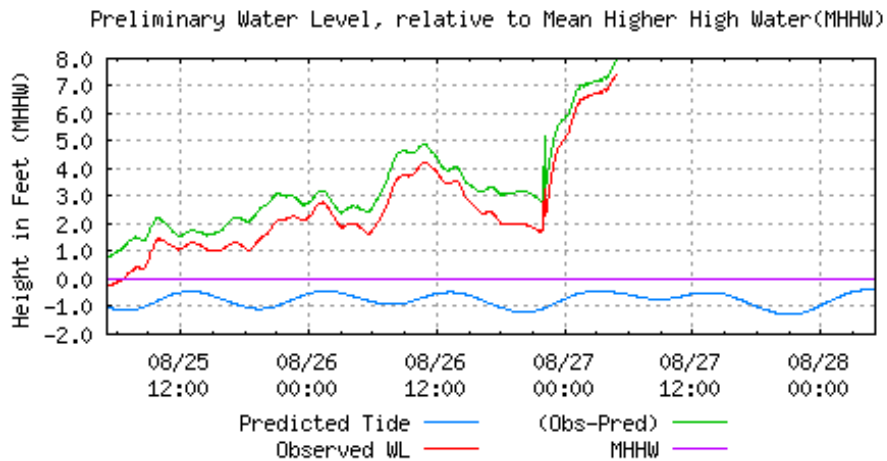
NOAA/NOS/CO-OPS 8771013 Eagle Point, TX



Last Observed Sample: 08/27/2017 04:54 (CDT)

Wind Speed: 22 knots Gusts: 27 knots Direction: 174° T

NOAA/NOS/CO-OPS 8770777 Manchester, TX



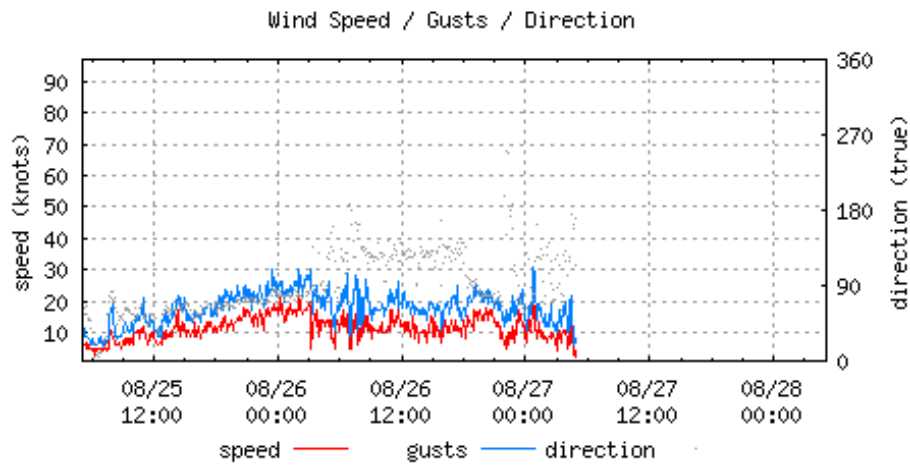
Last Observed Sample: 08/27/2017 04:54 (CDT). Data relative to MHHW

Observed: 7.44 ft. Predicted: -0.49 ft. Residual: 7.93 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/27/2017 13:30 (CDT), -0.49 ft.

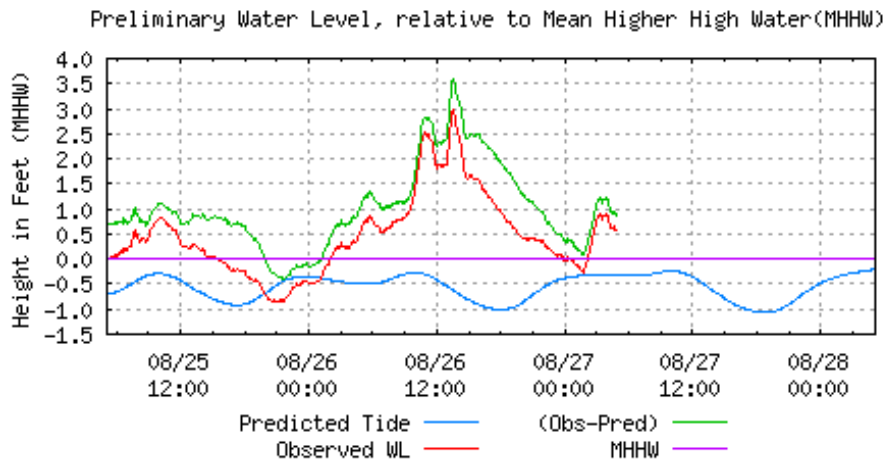
NOAA/NOS/CO-OPS 8770777 Manchester, TX



Last Observed Sample: 08/27/2017 04:54 (CDT)

Wind Speed: 4 knots Gusts: 7 knots Direction: 114° T

NOAA/NOS/CO-OPS 8770971 Rollover Pass, TX



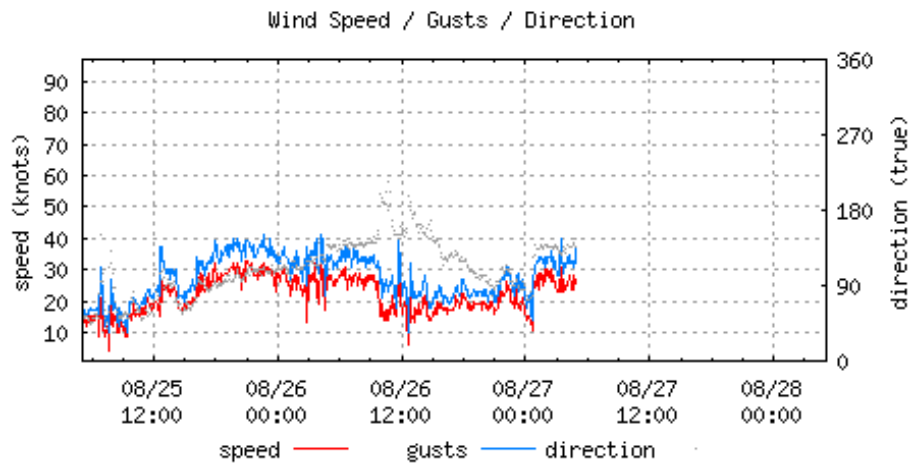
Last Observed Sample: 08/27/2017 04:54 (CDT). Data relative to MHHW

Observed: 0.56 ft. Predicted: -0.32 ft. Residual: 0.88 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/27/2017 10:02 (CDT), -0.24 ft.

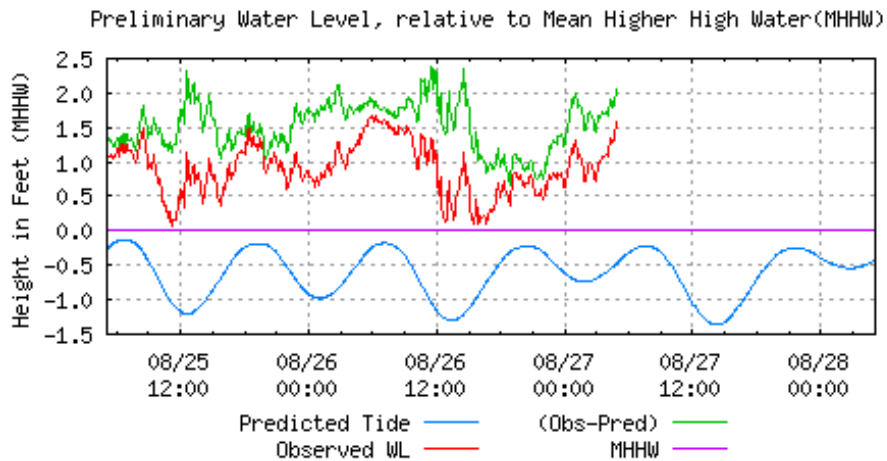
NOAA/NOS/CO-OPS 8770971 Rollover Pass, TX



Last Observed Sample: 08/27/2017 04:54 (CDT)

Wind Speed: 26 knots Gusts: 37 knots Direction: 136° T

NOAA/NOS/CO-OPS 8770822 Texas Point, Sabine Pass, TX



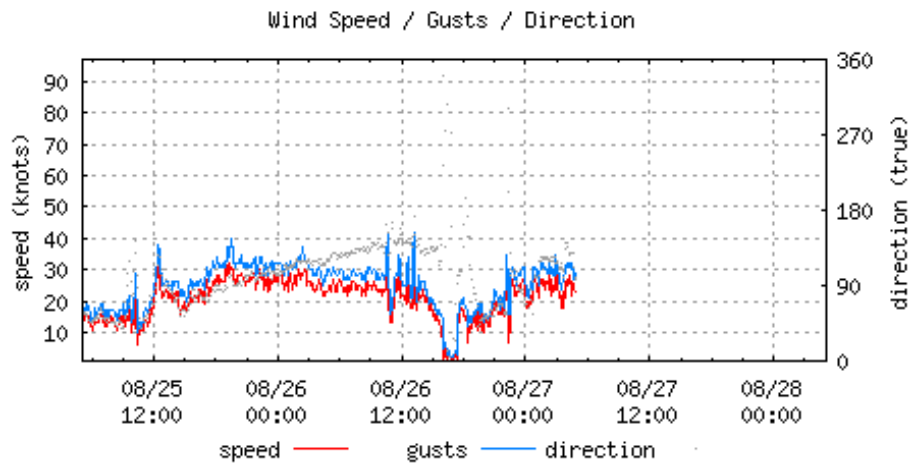
Last Observed Sample: 08/27/2017 05:00 (CDT). Data relative to MHHW

Observed: 1.55 ft. Predicted: -0.45 ft. Residual: 2.00 ft.

Historical Maximum Water Level: Mar 20 2012, 1.91 ft.

Next High Tide: 08/27/2017 07:31 (CDT), -0.22 ft.

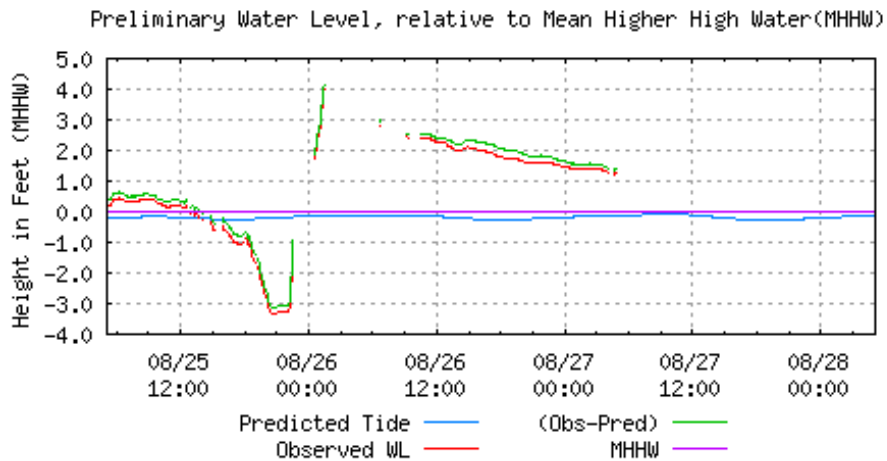
NOAA/NOS/CO-OPS 8770822 Texas Point, Sabine Pass, TX



Last Observed Sample: 08/27/2017 05:00 (CDT)

Wind Speed: 24 knots Gusts: 28 knots Direction: 98° T

NOAA/NOS/CO-OPS 8774513 Copano Bay, TX



Last Observed Sample: 08/27/2017 04:54 (CDT). Data relative to MHHW

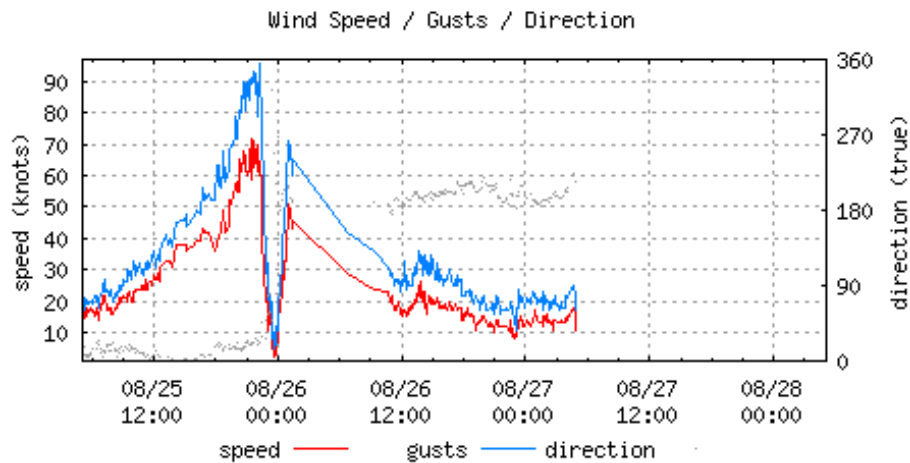
Observed: 1.24 ft. Predicted: -0.13 ft. Residual: 1.37 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/27/2017 09:41 (CDT), -0.08 ft.



NOAA/NOS/CO-OPS 8774513 Copano Bay, TX

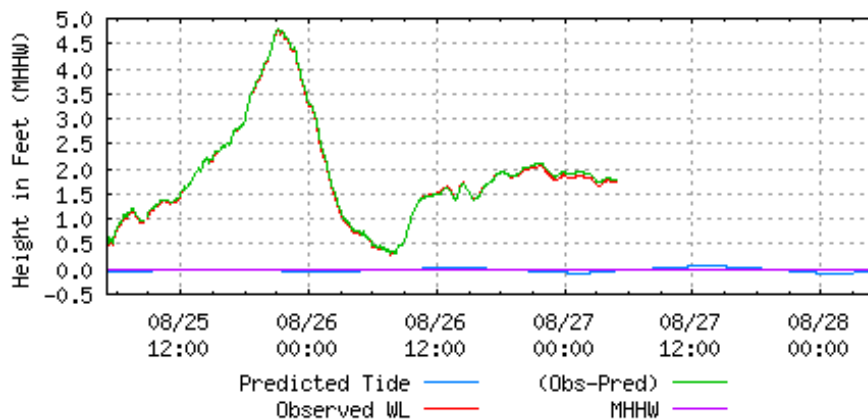


Last Observed Sample: 08/27/2017 04:54 (CDT)

Wind Speed: 11 knots Gusts: 17 knots Direction: 215° T

NOAA/NOS/CO-OPS 8774230 Aransas Wildlife Refuge, TX

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



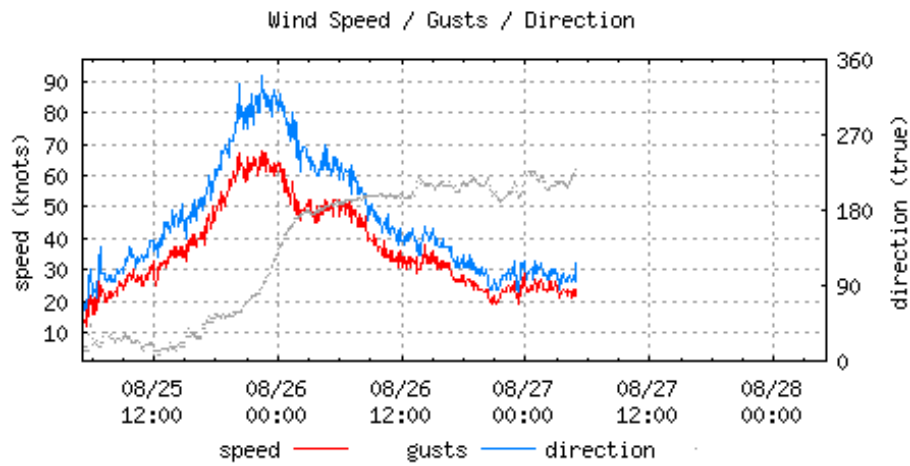
Last Observed Sample: 08/27/2017 04:54 (CDT). Data relative to MHHW

Observed: 1.75 ft. Predicted: -0.03 ft. Residual: 1.78 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/27/2017 13:03 (CDT), 0.06 ft.

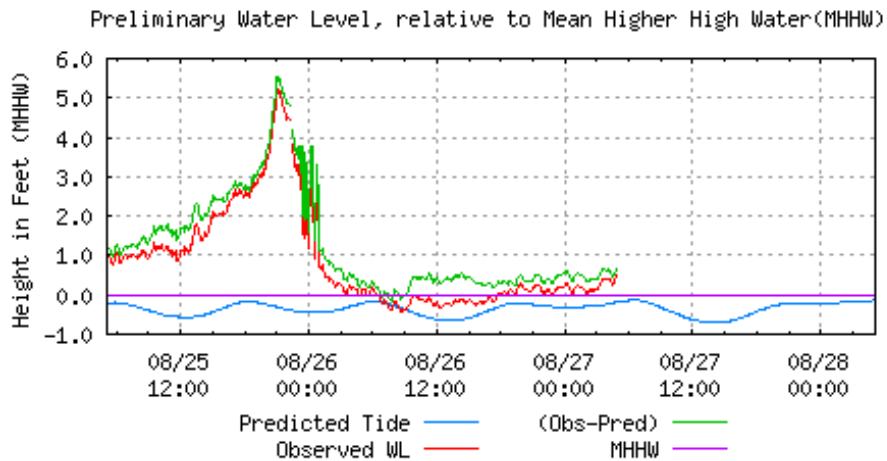
NOAA/NOS/CO-OPS 8774230 Aransas Wildlife Refuge, TX



Last Observed Sample: 08/27/2017 04:54 (CDT)

Wind Speed: 24 knots Gusts: 32 knots Direction: 228° T

NOAA/NOS/CO-OPS 8775237 Port Aransas, TX



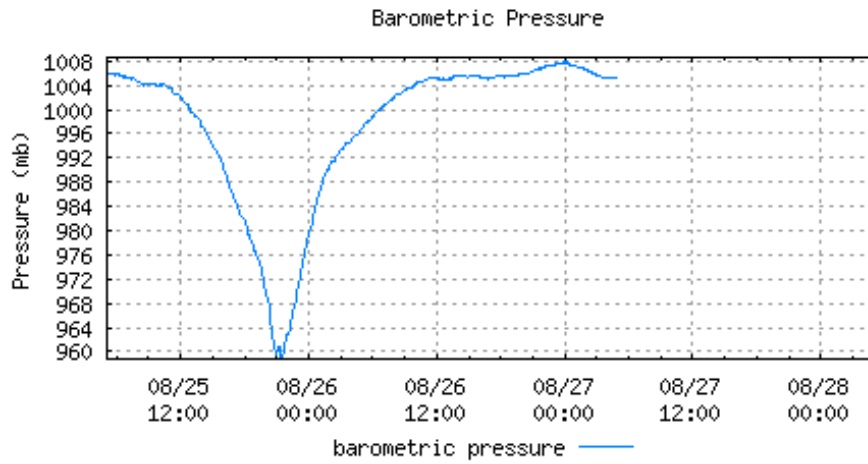
Last Observed Sample: 08/27/2017 04:54 (CDT). Data relative to MHHW

Observed: 0.50 ft. Predicted: -0.18 ft. Residual: 0.68 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/27/2017 06:32 (CDT), -0.14 ft.

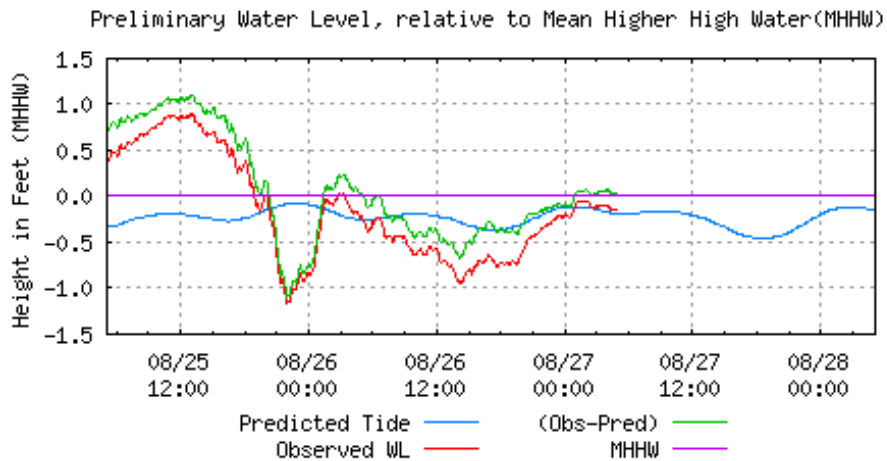
NOAA/NOS/CO-OPS 8775237 Port Aransas, TX



Last Observed Sample: 08/27/2017 04:54 (CDT)

Barometric Pressure: 1005.3 mb

NOAA/NOS/CO-OPS 8775296 USS Lexington, TX



Last Observed Sample: 08/27/2017 05:00 (CDT). Data relative to MHHW

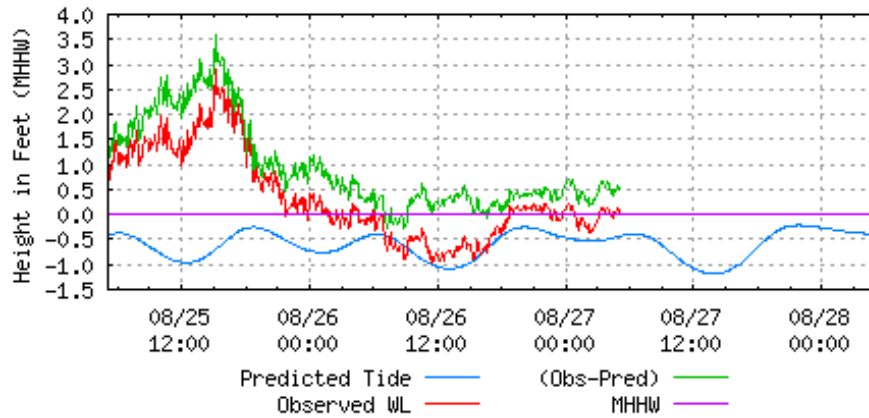
Observed: -0.14 ft. Predicted: -0.18 ft. Residual: 0.04 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/27/2017 09:02 (CDT), -0.16 ft.

NOAA/NOS/CO-OPS 8775870 Bob Hall Pier, Corpus Christi, TX

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 08/27/2017 05:00 (CDT). Data relative to MHHW

Observed: 0.04 ft. Predicted: -0.44 ft. Residual: 0.48 ft.

Historical Maximum Water Level: Sep 13 2008, 3.98 ft.

Next High Tide: 08/27/2017 06:28 (CDT), -0.39 ft.

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8773701	Port O'Connor, TX	08/27/2017 04:54 (CDT)	1.63 ft	-0.14 ft	1.77 ft	2.60 ft
8773259	Port Lavaca, TX	08/27/2017 04:54 (CDT)	1.85 ft	-0.24 ft	2.09 ft	6.45 ft
8773037	Seadrift, TX	08/27/2017 04:54 (CDT)	2.55 ft	-0.19 ft	2.74 ft	5.53 ft
8773146	Matagorda City, TX	08/27/2017 04:54 (CDT)	2.61 ft	-0.14 ft	2.75 ft	3.12 ft
8772447	Freeport, TX	08/27/2017 04:54 (CDT)	1.19 ft	-0.54 ft	1.73 ft	1.93 ft
8771341	Galveston Bay Entrance, North Jetty, TX	08/27/2017 04:54 (CDT)	1.84 ft	-0.48 ft	2.32 ft	2.40 ft
8771013	Eagle Point, TX	08/27/2017 04:54 (CDT)	2.72 ft	-0.12 ft	2.84 ft	3.20 ft
8770777	Manchester, TX	08/27/2017 04:54 (CDT)	7.44 ft	-0.49 ft	7.93 ft	7.44 ft
8770971	Rollover Pass, TX	08/27/2017 04:54 (CDT)	0.56 ft	-0.32 ft	0.88 ft	2.99 ft
8770822	Texas Point, Sabine Pass, TX	08/27/2017 05:00 (CDT)	1.55 ft	-0.45 ft	2.00 ft	1.68 ft
8774513	Copano Bay, TX	08/27/2017 04:54 (CDT)	1.24 ft	-0.13 ft	1.37 ft	3.97 ft
8774230	Aransas Wildlife Refuge, TX	08/27/2017 04:54 (CDT)	1.75 ft	-0.03 ft	1.78 ft	2.05 ft
8775237	Port Aransas, TX	08/27/2017 04:54 (CDT)	0.50 ft	-0.18 ft	0.68 ft	0.50 ft
8775296	USS Lexington, TX	08/27/2017 05:00 (CDT)	-0.14 ft	-0.18 ft	0.04 ft	-0.05 ft
8775870	Bob Hall Pier, Corpus Christi, TX	08/27/2017 05:00 (CDT)	0.04 ft	-0.44 ft	0.48 ft	0.22 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce